

ESPERANZA PHASE 3H SUMMARY SHEET	
DRAINAGE ITEMS (KCWCID 2)	
ROADWAY ITEMS (KCWCID 2B)	
DRAINAGE ITEMS (KCWCID 2B)	
SANITARY SEWER ITEMS (KCWCID 2B)	
DOMESTIC WATER ITEMS (KCWCID 2B)	
RECLAIMED WATER ITEMS (KCWCID 2B)	
MISCELLANEOUS & SWPPP ITEMS (KCWCID 2B)	
ELECTRICAL ITEMS (KCWCID 2B)	
GAS ITEMS (KCWCID 2B)	
BASE BID TOTAL	

Signature

Printed Name

Date

DRAINAGE ITEMS (KCWCID 2)					
<i>ITEM</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>	<i>UNIT</i>	<i>UNIT PRICE</i>	<i>TOTAL</i>
1	Clearing and Grubbing of Channel, to be Mulched and Placed as directed by Owner within Esperanza, Complete in Place	2.00	AC		
2	Channel Excavation within Drainage Easements, per City specification, Complete In Place	5,200	CY		
3	Channel Embankment within Drainage Easements, per City specification, Complete In Place	80	CY		
4	Channel Hauloff, to be Hauled as Directed by Owner within Esperanza, Complete in Place	5,120	CY		
5	Concrete Rip-Rap for Channel, Weathered Finish Complete in Place	565	CY		
6	6" Stone Cap Finish for Channel Side Slopes, Complete in Place	795	SY		
7	Turf Reinforcement Mat, Futerra TRM 7020 Series, per TxDOT Item 169, Complete in Place	1,820	SY		
8	Revegetation of Channel with Temporary Irrigation, Complete in Place	1,820	SY		
TOTAL DRAINAGE ITEMS (KCWCID 2)					

ROADWAY ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
9	Clearing and Grubbing of ROW, to be Mulched and Placed as directed by Owner within Esperanza, Complete in Place	4.55	AC		
10	Roadway Excavation within the Right-of-Way, per City specification, Complete In Place	46,768	CY		
11	Roadway Embankment within the Right-of-Way, per City specification, Complete In Place	3,092	CY		
12	Roadway Hauloff, to be Hauled as Directed by Owner within Esperanza, Complete in Place	43,676	CY		
13	Hot Mix Asphaltic Pavement, (2" Compacted Depth, per TxDOT Item 340, Type D)	13,671	SY		
14	Prime Coat, MC-30 (0.16 gal/SY per TxDOT Item 310)	2,440	GAL		
15	Tack Coat (0.08 gal/SY per TxDOT Item 340)	1,220	GAL		
16	Crushed Limestone Base Material, (12.5" Compacted Depth, per TxDOT Item 247 Type A; Grade 2)	15,250	SY		
17	8" Lime Treated Subgrade, per Geotech Report recommendation	15,250	SY		
18	City of Boerne "Type A" Concrete Curb, Complete in Place	6,323	LF		
19	City of Boerne Header Curb, Complete in Place	72	LF		
20	Remove Existing Header Curb and Guard Posts, Complete in Place	72	LF		
21	Curb Ramp, Complete in Place	16	EA		
22	Concrete Sidewalk, Complete in Place	110	SY		
23	Esperanza Style Street Signage, Complete in Place	5	EA		
24	Speed Limit Signage, 25 MPH, Complete in Place	1	EA		
25	Traffic Control & Striping, Complete in Place	1	LS		
26	Revegetation of ROW with Temporary Irrigation, Complete in Place	4,345	SY		
TOTAL ROADWAY ITEMS (KCWCID 2B)					

DRAINAGE ITEMS (KCWCID 2B)					
<i>ITEM</i>	<i>DESCRIPTION</i>	<i>QUANTITY</i>	<i>UNIT</i>	<i>UNIT PRICE</i>	<i>TOTAL</i>
27	Connect to Existing 5' x 5' Concrete Junction Box, Complete in Place	1	EA		
28	30' Concrete Curb Inlet, Complete in Place	2	EA		
29	36" Spiral Rib Corrugated Metal Pipe (SRCMP) Polymer Coated, ASTM D796, All Bends & Fittings, All Depths, Complete in Place	41	LF		
30	48" Spiral Rib Corrugated Metal Pipe (SRCMP) Polymer Coated, ASTM D796, All Bends & Fittings, All Depths, Complete in Place	133	LF		
31	TXDOT Armor Curb Slot w/ Sidewalk Bridge, Complete in Place	1	EA		
32	6" Rock Rip-Rap over Geotextile Fabric per TxDOT Item 432, Complete in Place	22	CY		
33	Storm Drain Testing, per City Requirements	1	LS		
34	Trench Safety System, All Depths, for Storm Sewer Construction, Complete in Place	174	LF		
35	Design of Trench Excavation and Shoring Plan for Storm Sewer Construction, Complete in Place	1	LS		
TOTAL DRAINAGE ITEMS (KCWCID 2B)					

SANITARY SEWER ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
36	Connect to Existing Sanitary Sewer Manhole, Complete in Place	2	EA		
37	City of Boerne Standard Precast Concrete Water Tight Manhole for Sanitary Sewer, (0'-6' depth), Complete in Place	11	EA		
38	Manhole Special Coatings, Install Special Coatings after MH has passed all testing per City Requirements, Complete in Place	11	EA		
39	Extra depth on Sanitary Manhole, Depth Over 6' Complete in Place	57	VF		
40	End of Sewer Cleanout per City of Boerne Requirements, (All depths), Complete in Place	1	EA		
41	6" Sanitary Sewer Pipe SDR 35 for End of Main Cleanout, (All depths), Complete in Place	9	LF		
42	8" Sanitary Sewer Pipe SDR 35, (8'-10' deep depth), Complete in Place	115	LF		
43	8" Sanitary Sewer Pipe SDR 35, (10'-12' deep depth), Complete in Place	996	LF		
44	8" Sanitary Sewer Pipe SDR 35, (12'-14' deep depth), Complete in Place	86	LF		
45	8" Sanitary Sewer Pipe SDR 26, (8'-10' deep depth), Complete in Place	93	LF		
46	8" Sanitary Sewer Pipe SDR 26, (10'-12' deep depth), Complete in Place	312	LF		
47	8" Sanitary Sewer Pipe SDR 26, (12'-14' deep depth), Complete in Place	231	LF		
48	8" Sanitary Sewer Pipe SDR 26, (14'-16' deep depth), Complete in Place	147	LF		
49	8" Sanitary Sewer Pipe SDR 26, (16'-18' deep depth), Complete in Place	45	LF		
50	6" Sanitary Sewer Laterals, SDR 35, (All depths), Complete in Place	3,795	LF		
51	Service Connection per City of Boerne Requirements, All Bends, Cleanouts and Fittings, All Depths, Complete in Place	42	EA		
52	Service Connection to Existing Main per CoB Requirements, All Bends, Cleanouts and Fittings, All Depths, Complete in Place	40	EA		
53	Trench Safety System, All Depths, for Sanitary Sewer Construction, Complete in Place	5,829	LF		
54	Design of Trench Excavation and Shoring Plan for Sanitary Sewer Construction Complete in Place	1	LS		
55	Manhole and Pipe Testing, per City and TCEQ requirements	1	LS		
56	Post-Installation Television Inspection of Mains & Laterals with Video Tapes and DVD per City Requirements, Complete in Place	1	LS		
TOTAL SANITARY SEWER ITEMS (KCWCID 2B)					

DOMESTIC WATER ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
57	Connect proposed 8" Water Line to Existing 8" Water Line Stub, Complete in Place	2	EA		
58	2" Temporary Blow-off Assembly, Complete in Place	2	EA		
59	8" C900, DR14 Polyvinyl Chloride (PVC) Water Line, All Bends, Reducers and Fittings, All Depths, Complete in Place	3,345	LF		
60	Fire Hydrant Assembly (Hydrant, 6" D.I. Pipe, 6" AWWA Gate Valve & Box, All Bends & Fittings, All Depths) Complete in Place	8	EA		
61	3/4" Single Water Service Connection per City of Boerne Requirements, Complete in Place	8	EA		
62	1" Double Water Service Connection per City of Boerne Requirements, Complete in Place	37	EA		
63	Meter Box, Per City Requirements, Complete in Place	82	EA		
64	2" Permanent End of Main Blow-off, Complete in Place	2	EA		
65	Tracer Wire Locate Box, Complete in Place	13	EA		
66	8" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place	18	EA		
67	Air Release Valve, Complete in Place	3	EA		
68	Hydrostatic Testing, Per City Requirements	1	LS		
69	Tracer Wire Locate Test, Per City Requirements	1	LS		
70	Coordination with Owner's Chlorination Contractor, after all punch list items are complete and prior to final acceptance	1	LS		
71	Trench Safety System (All Depths), for Water Line Construction, Complete in Place	3,345	LF		
72	Design of Trench Excavation and Shoring Plan for Water Line Construction, Complete in Place	1	LS		
TOTAL DOMESTIC WATER ITEMS (KCWCID 2B)					

RECLAIMED WATER ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
73	Connect proposed 4" Reclaim Water Line to Existing 8" Reclaim Water Line Stub, Complete in Place	2	EA		
74	2" Temporary Blow-off Assembly, Complete in Place	2	EA		
75	4" C900, DR14, Polyvinyl Chloride (PVC) Water Line, All Bends, Reducers and Fittings, All Depths, Complete in Place	3,260	LF		
76	4" Class 350, C151 Ductile Iron (DI) Water Line at Crossings, All bends, Reducers and Fittings, All Depths, Complete in Place	100	LF		
77	3/4" Single Water Service Connection per City of Boerne Requirements, Complete in Place	9	EA		
78	1" Double Water Service Connection per City of Boerne Requirements, Complete in Place	36	EA		
79	Meter Box, Per City Requirements, Complete in Place	81	EA		
80	2" Permanent End of Main Blow-off, Complete in Place	3	EA		
81	Tracer Wire Locate Box, Complete in Place	5	EA		
82	4" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place	13	EA		
83	Air Release Valve, Complete in Place	3	EA		
84	Hydrostatic Testing, Per City Requirements	1	LS		
85	Tracer Wire Locate Test, Per City Requirements	1	LS		
86	Cross Contamination Testing, Prior to Domestic Chlorination, Per City Requirements, Complete in Place	1	LS		
87	Paint all Valve Lids, Brass/Bronze Purple Color, Install Purple Tape on all Copper per City of Boerne/TCEQ, Complete in Place	1	LS		
88	Trench Safety System (All Depths), for Water Line Construction, Complete in Place	3,360	LF		
89	Design of Trench Excavation and Shoring Plan for Reclaim Water Line Construction, Complete in Place	1	LS		
TOTAL RECLAIMED WATER ITEMS (KCWCID 2B)					

MISCELLANEOUS & SWPPP ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
90	Clearing and Grubbing of Private Lots, to be Mulched and Placed as directed by Owner within Esperanza, Complete in Place	19.25	AC		
91	Private Lot Excavation per City specification, Complete in Place	161,502	CY		
92	Private Lot Embankment to be Placed by 79g Specification, Complete in Place	39,199	CY		
93	Private Lot Hauloff, to be Hauled as Directed by Owner within Esperanza, Complete in Place	122,303	CY		
94	Offsite Easement/Open Space Excavation per City specification, Complete in Place	2,626	CY		
95	Offsite Easement/Open Space Embankment per City specification, Complete in Place	1,651	CY		
96	Offsite Easement/Open Space Hauloff, to be Hauled as Directed by Owner within Esperanza, Complete in Place	975	CY		
97	Additional Private Lot Embankment, to be Placed by 79g Specification, as Directed by Owner, Complete in Place	172,074	CY		
98	Trench Spoils to be Stockpiled within Esperanza as Usable Fill Material meeting Boerne Specification, Complete in Place	3,540	CY		
99	Installation of 10' Wide Concrete Drainage Maintenance Road - 4" Thick, Complete in Place	2,600	SY		
100	Retaining Wall, Complete in Place	21,320	SF		
101	5' Tall Type "B" Metal Fence at Top of Retaining Wall per Open Fence at Wall Detail and Esperanza CC&Rs, Complete in Place	1,343	LF		
102	Stabilized Construction Entrance, Complete in Place	2	EA		
103	Concrete Washout Pit, Complete in Place	2	EA		
104	Staging Area, Complete in Place	1	EA		
105	Silt Fence, Complete in Place	2,550	LF		
106	Rock Filter Berm (When Authorized by Owner), Complete in Place	260	LF		
107	Bagged Gravel Inlet Filter (When Authorized by Owner), Complete in Place	90	LF		
108	Storm Water Pollution Prevention Plan, including Implementation, Permitting, Inspections, and Reporting, Complete in Place	1	LS		
109	Revegetation w/ Temp Irrigation for Utility Easements, Complete in Place	14,510	SY		
TOTAL MISCELLANEOUS & SWPPP ITEMS (KCWCID 2B)					

ELECTRICAL ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
110	Primary and Secondary Trenching, Complete in Place	8,100	LF		
111	Bedding Sand, Complete in Place	1	LS		
112	Concrete, Complete in Place	1	LS		
113	6" Wide "Caution Buried Electric Below" Tape (Red), Complete in Place	8,100	LF		
114	Mule Tape (2500 Lb Test Min.), Complete in Place	12,000	LF		
115	1/2" to 3/4" Aggregate Gravel, Complete in Place	1	LS		
116	3" Sch 40 PVC Conduit (Pri. and Sec.), Complete in Place	11,800	LF		
117	3" 90° Sweeps Sch 80 PVC (3' Min. Radius Primary), Complete in Place	66	EA		
118	3" 90° Sweeps Sch 80 PVC (2' Min. Radius Secondary), Complete in Place	164	EA		
119	3" Sch 40 PVC Cap, Complete in Place	80	EA		
120	2" Sch 40 PVC Conduit (Temporary Service), Complete in Place	1,185	LF		
121	2" 90° Sweeps Sch 80 PVC (3' Min. Radius Temp.), Complete in Place	79	EA		
122	2" Sch 40 PVC Cap, Complete in Place	79	EA		
123	1" Sch 40 PVC Conduit (Street Light), Complete in Place	500	LF		
124	1" 90° Sweeps Sch 80 PVC (2' Min. Radius), Complete in Place	16	EA		
125	Single Phase Sectionalizing Box Pads, Complete in Place	8	EA		
126	Single Phase Combination Sectionalizing Box Pads, Complete in Place	4	EA		
127	Single Phase Transformer Pads, Complete in Place	12	EA		
128	Single Phase Sectionalizing Boxes, Complete in Place	12	EA		
129	UK5 - Secondary Pedestals, Complete in Place	42	EA		
130	Ground Rod Clamps, Complete in Place	1	LS		
131	UM6-6 - Ground Rods (10' X 3/4" CU Clad), Complete in Place	28	EA		
132	#10 (CU Pair) 600 V (St.Lt.), Complete in Place	700	LF		
133	Street Light Standards (Pole),Lamps & Ballasts, Complete in Place	6	EA		
134	Secondary Connector Blocks (Pedestal), Complete in Place	126	EA		
TOTAL ELECTRICAL ITEMS (KCWCID 2B)					

GAS ITEMS (KCWCID 2B)					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
135	4" Polyethylene Gas Main, Complete in Place	900	LF		
136	2" Polyethylene Gas Main, Complete in Place	2,420	LF		
137	1" Gas Service Long, Complete in Place	32	EA		
138	1" Gas Service Short, Complete in Place	50	EA		
139	4" Polyethylene Gas Valve and V.B., Complete in Place	4	EA		
140	2" Polyethylene Gas Valve and V.B., Complete in Place	13	EA		
141	4" X 4" Polyethylene Tee, Complete in Place	1	EA		
142	2" X 2" Polyethylene Tee, Complete in Place	4	EA		
143	4" X 2" Polyethylene Reducer, Complete in Place	2	EA		
144	2" Polyethylene Cap, Complete in Place	3	EA		
145	Tracer Boxes, Complete in Place	7	EA		
146	Connection to Existing Gas Main, Complete in Place	2	EA		
147	Testing as Required by City Of Boerne, Complete in Place	1	LS		
TOTAL GAS ITEMS (KCWCID 2B)					

ALTERNATE ITEMS					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
148	8" Moisture Conditioned Subgrade, per Geotech Report recommendation	15,250	SY		
149	Hydrated Lime, Complete in Place	320	TON		
150	Clearing and Grubbing Hauloff, to be Hauled Offsite Outside of Esperanza	25.80	AC		
151	Excess Earthwork Hauloff, to be Hauled Offsite Outside of Esperanza, Complete in Place	172,074	CY		
TOTAL ALTERNATE ITEMS					